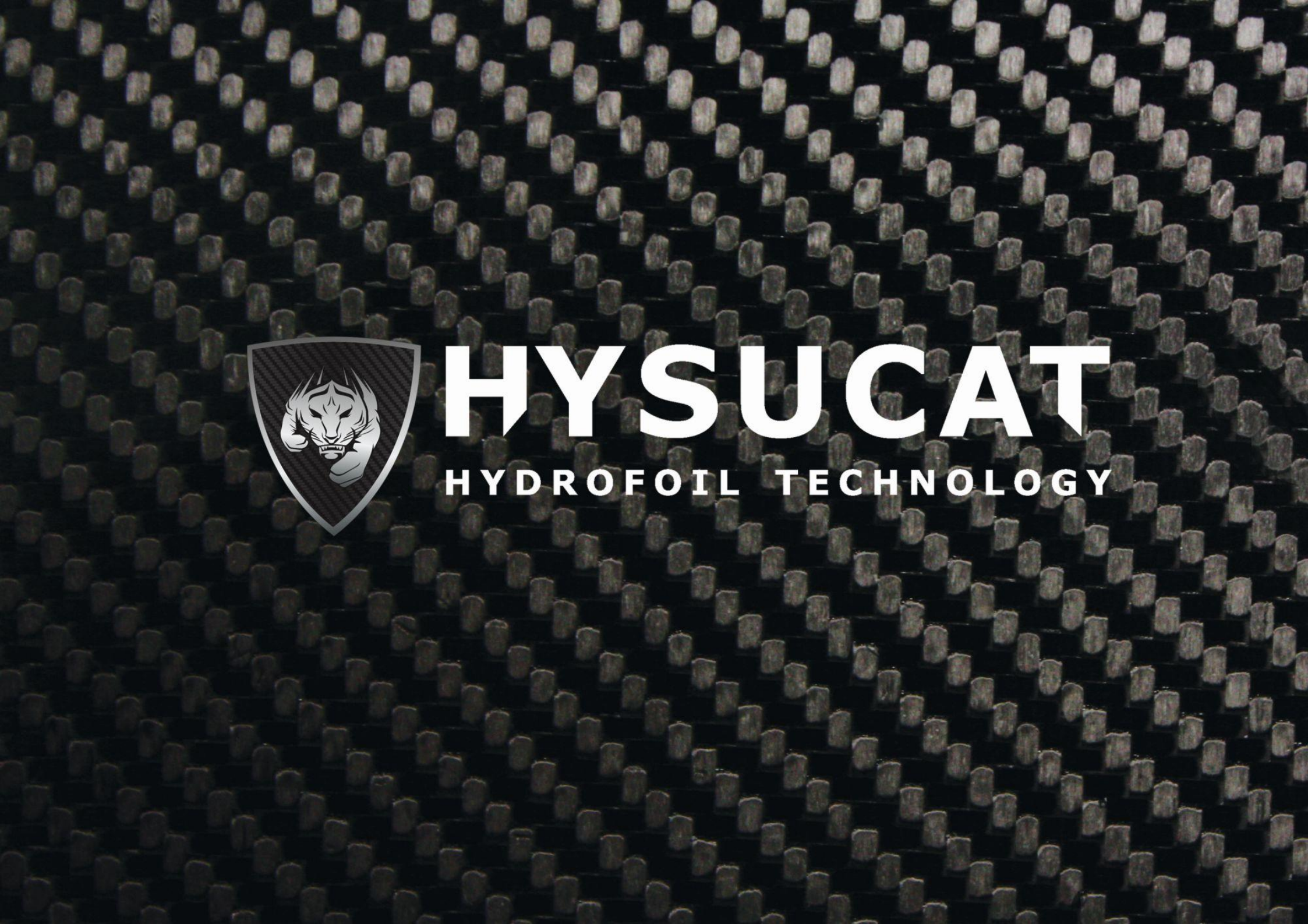

HYSUCAT
HYDROFOIL TECHNOLOGY

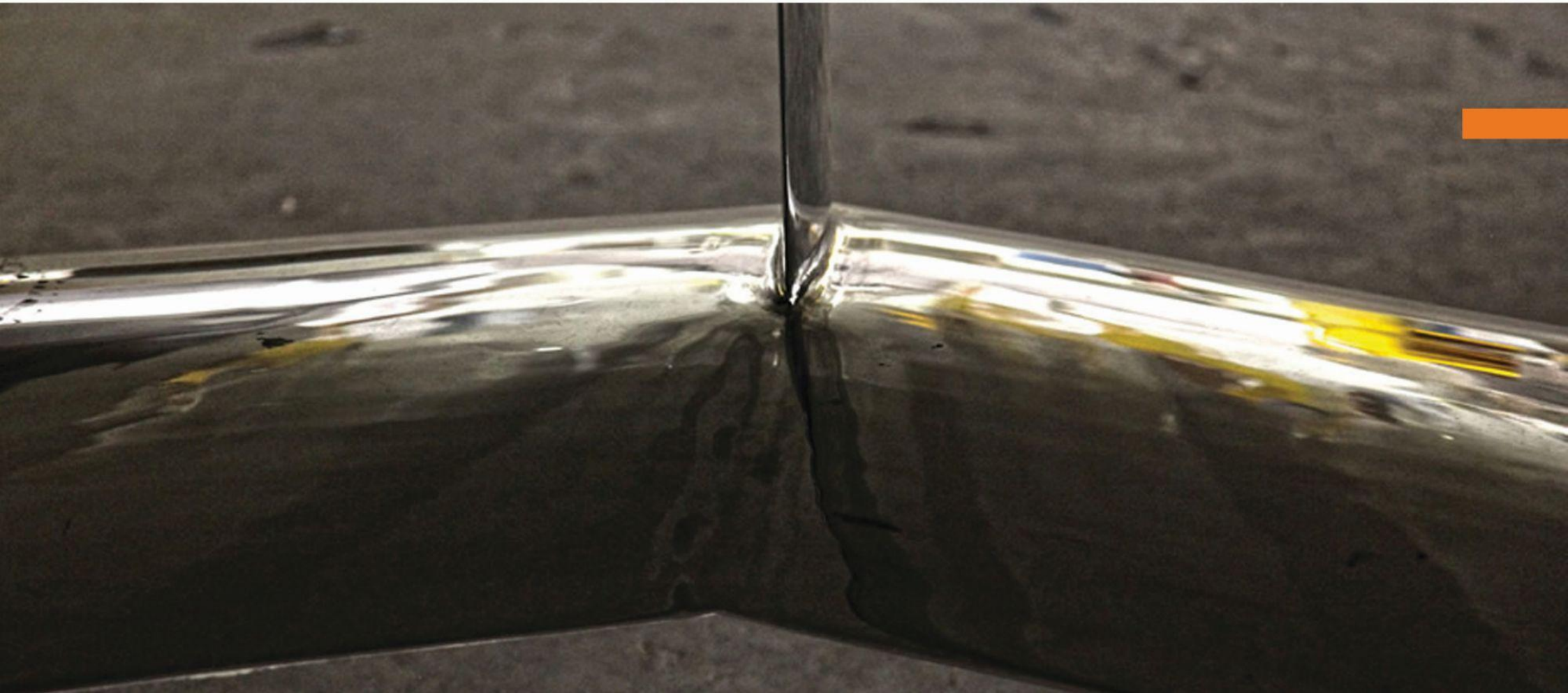
HYSUCAT, an acronym for Hydrofoil Supported Catamaran, is the combination of a distinctively designed hull and foil incorporating hydrofoil science and technology.

HYSUCAT TECHNOLOGY

The basic principle behind the Hysucat is an effective hydrofoil system in the tunnel between two demi-hulls. This consists of a main wing located in front of the length emphasis in keel height, supported by two smaller wings in the tunnel at the rear of the hull.

HYDROFOIL ADVANTAGES

- Higher top speed
- Improved sea keeping in rough seas
- Reduced fuel consumption
- Increased range due to lower fuel consumption
- Wave dampening
- Dry ride
- Improved load

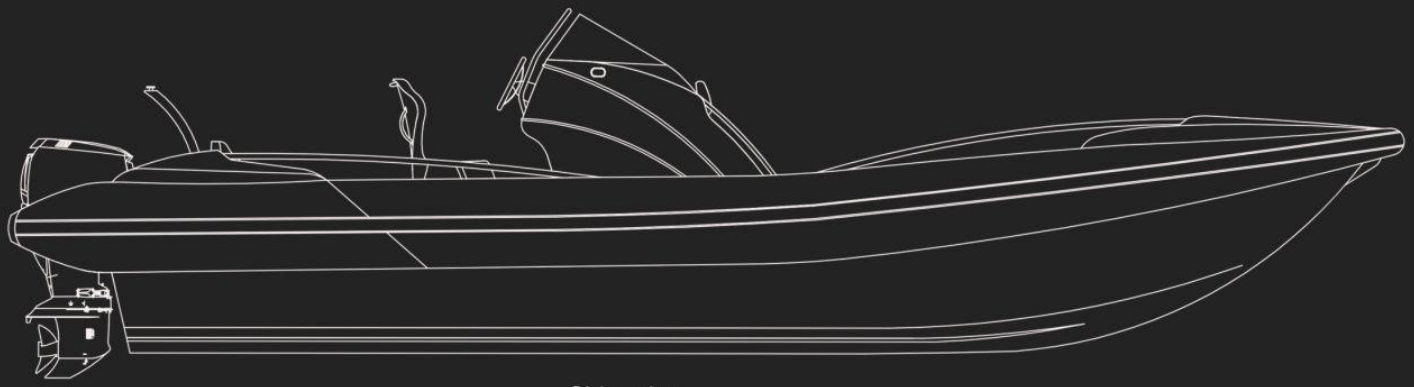


ABOUT

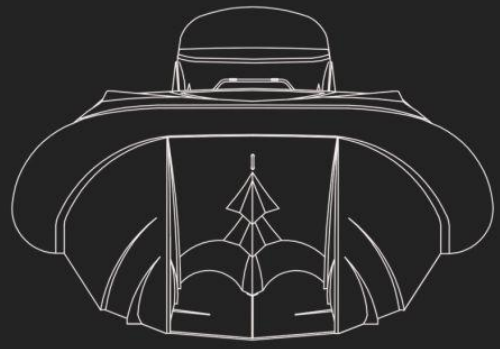
HYSUCAT 28 offers key benefits and comforts that make it the perfect choice for clients in leisure/cruising, commercial/transportation, and government/military markets; contoured upholstery that provides comfortable seating and watertight lockers; a large, versatile modular deck area that allows for a variety of seating options with enough space for up to 14 people.

Operational benefits include comfortable high speed rough water operations, reduced wake, reduced fuel consumption and increased speed. The Hysucat 28 RIB has a dry weight of 3,300 lbs (1.5 tons), fuel capacity of 60 gallons (227 litres) and can be powered by single or twin engines from 90 to 300 hp. Depending on the engine option and propellers this gives a cruise speed of 30 mph (26-35 knots) and maximum speed of over 80 mph (70 knots).

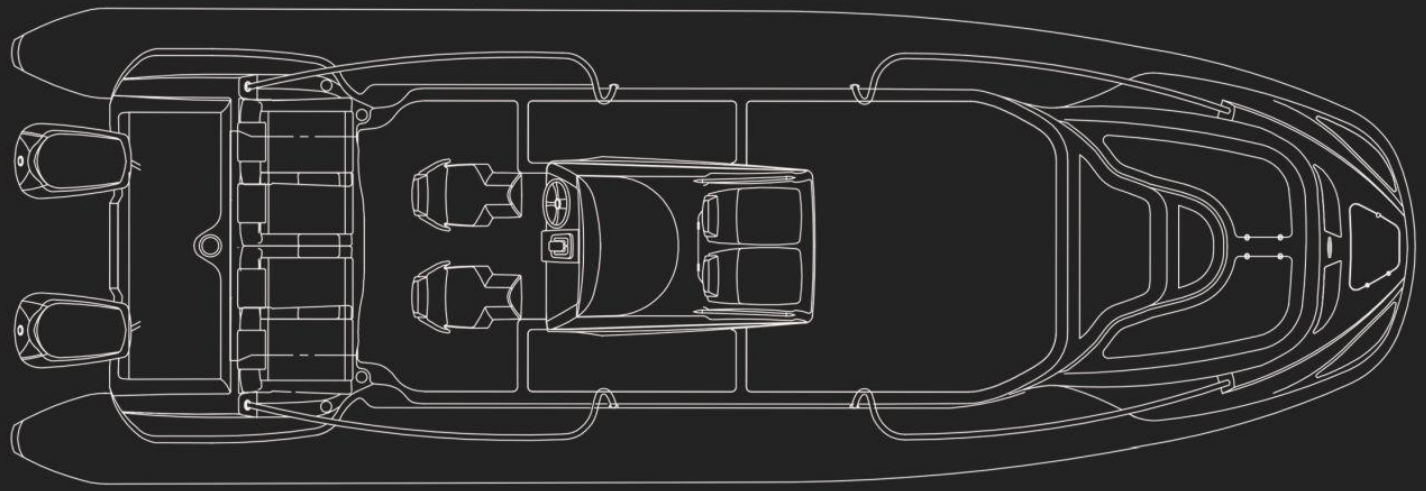
STANDARD LAYOUT



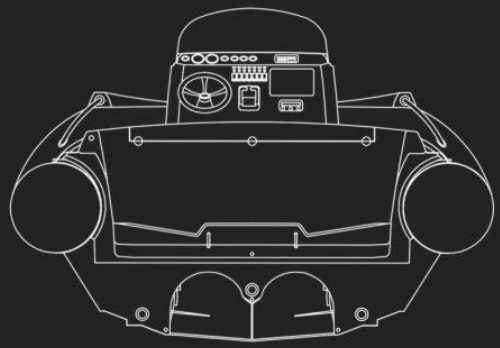
Side view



Front view



Top view



Rear view

STANDARD SPECIFICATIONS

LOA – 27'8" (8.5 m)
Beam – 9'5" (2.9 m)
Draft – 1'4.7" (0.42 m)
Dry weight (with engines) – 3,400 pounds (1.5 metric tons)
Tube diameter – 1'7 "(0.52 m)
Fuel capacity – 60 gal (230 liters)
Persons capacity – 14
Maximum HP – Twin 200 HP
Minimum HP – Twin 90 HP
Recommended HP – Twin 140 HP
Cruise speed – 30 – 40 Mph (26 – 35 knots)
Maximum speed – 60 Mph (52 knots)

Standard Equipment

Hand Laid/Vacuum Bagged/Vinyl Ester Construction.
Self-draining Deck
'Valmex' Buoyancy Tubes (7 chambers)
Dihedral Stainless Steel Main Hydrofoil
(2) Stainless Steel Stern Foils
Rub Rail
(4) Aluminum Passenger Safety Rails
(1) Aluminum/Stainless Steel Tow Post
Stainless Steel Bow Eye
(2) Stainless Steel Stern Eyes
(4) Stainless Steel Mooring Cleats
(3) Large Deck Drains
Center Console with Windshield and Storage
Aluminum Frame Helm Seat With Backrest
Console Recessed Hand Rails
Electronics Area that Accommodates 17" Displays
LED Navigation Lights
LED Cockpit Lights
Horn
(2) Battery System with Battery Switches
12 V Plug – USB Lug
(2) 12V Automatic Bilge Pumps
(2) 30 Gallon Fuel Tanks Located Under Deck
Wrap Around Two-Four Person Stern Seat with Storage
Stainless Steel Propellers with Engines
Armstrong RIB Swim Ladder Side Mount
Bow Anchor Locker with Drain

Options

Underwater Lights Package
Table/Casting Platform Insert with Cushion
Hull Colors
Tube Colors (1 month delay)
Console Matching Color on Sides
Syntec Ultrafoam Decking
2 Jockey Seats
Power Steering System w/ S/S Wheel
Integrated Battery Charging System
Fusion Bluetooth Stereo System w/4 Speakers
T-Top Aluminum Frame w/Fiberglass Top
Marine Porta Potty w/Enclosure
Danforth Anchor, 200' Rode, & Chain
Fresh Water Washdown w/5 Gallon Tank
2 Aux 12 Gallon Fuel Tanks

PERFORMANCE DATA

Test Conditions
Two Outboard Engines: SUZUKI DF140
Propellers: Powertech 4 blade 25''
Test conditions: Calm sea conditions with light wind and chop

RPM	SPEED		FUEL CONSUMPTION			RANGE
	Mph	Knots	Km/h	Mpg	Km/L	
2000	8.8	8	15	3.85	1.63	230
2500	15.5	13	24	4.15	1.76	250
3000	21.4	18	15	4.16	1.77	250
3500	27.2	24	44	4.17	1.77	250
4000	34.5	30	55	4.08	1.73	245
4500	39.9	35	65	3.62	1.53	215
5000	46	40	74	2.87	1.22	170
5500	50	43	80	2.62	1.11	160
6000	55.3	48	89	2.21	0.93	130

ACCELERATION TESTS

0 to 20 Mph (17 knots)	2.2 sec
0 to 30 Mph (26 knots)	3 sec
0 to 40 Mph (35 knots)	5.2 sec
0 to 50 Mph (43 knots)	6.2 sec

HYSUCAT ADVANTAGES

Less Power Required
Better fuel efficiency
Longer range
Stable,Smooth and Dry ride in Rough Water Conditions
Improved Load Carrying Capacity
Superior Turning Capabilities
Outstanding Sea Keeping
Damping Effect Reduces Fatigue & Motion Sickness,
Extending Longevity At Sea
Environmentally Friendly: Smaller Wake
High Speed Performance With Surface Piercing Propellers

HYSUCAT 28 RIB

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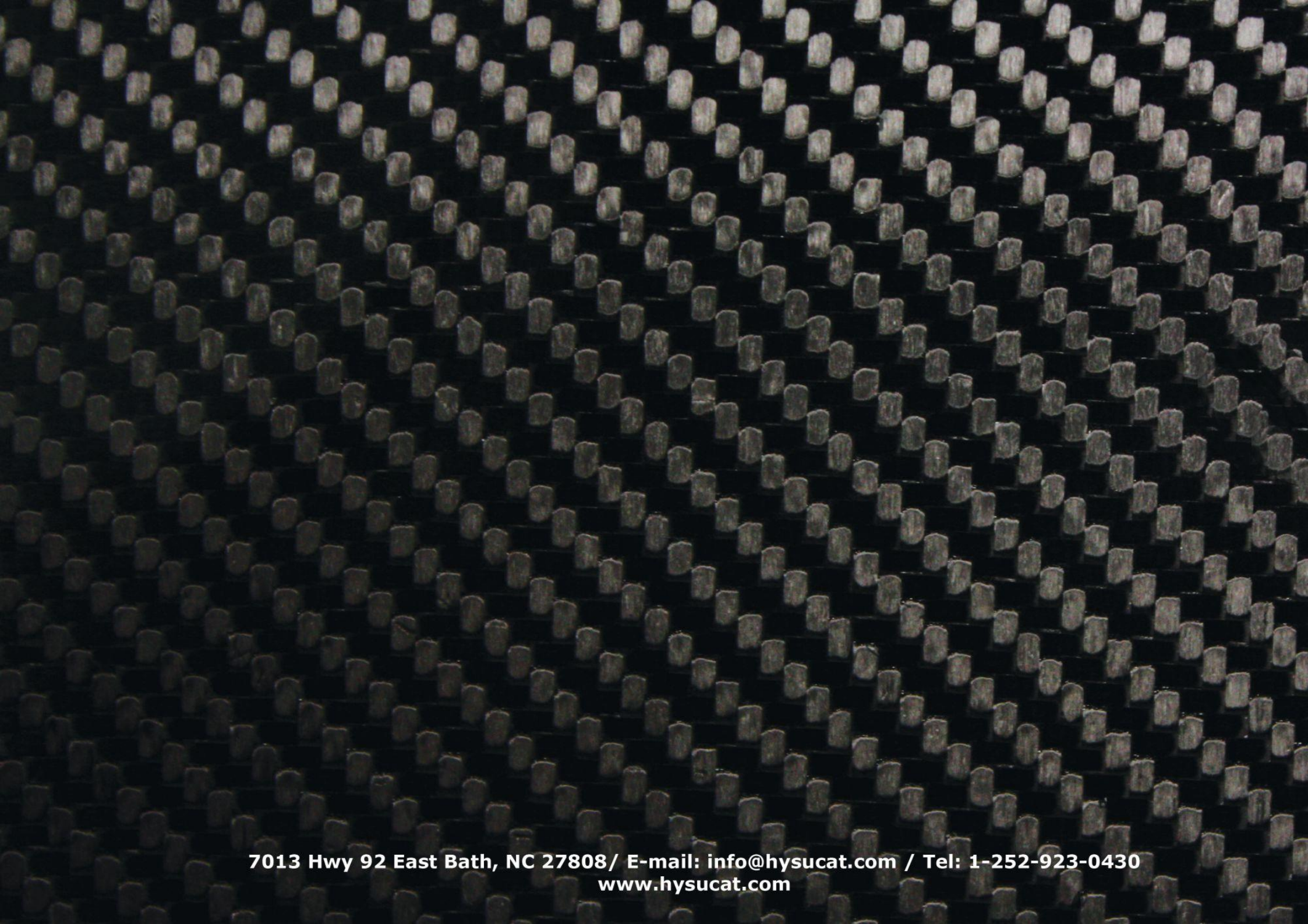

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